



**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND
RESEARCH**

(A Deemed to be University declared under Section 3 of UGC Act 1956)

Comprising Sri Devaraj Urs Medical College

[Constituent unit of Sri Devaraj Urs Educational Trust for Backward Classes (Regd.)]

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MBBS

ASSESSMENT

1. Eligibility to appear for Professional examinations

1.1 The performance in essential components of training are to be assessed, based on: (a) Attendance

a. Attendance requirements are 75% in theory and 80% in practical /clinical for eligibility to appear for the examinations in that subject. In subjects that are taught in more than one phase

– the learner must have 75% attendance in theory and 80% in practical in each phase of instruction in that subject.

b. If an examination comprises more than one subject (for e.g., General Surgery and allied branches), the candidate must have 75% attendance in each subject and 80% attendance in each clinical posting.

1. Learners who do not have at least 75% attendance in the electives will not be eligible for the Third Professional - Part II examination.

(b) Internal Assessment: Internal assessment shall be based on day-to-day assessment. It shall relate to different ways in which learners participate in learning process including assignments, preparation for seminar, clinical case presentation, preparation of clinical case for discussion, clinical case study/problem solving exercise, participation in project for health care in the community, proficiency in carrying out a practical or a skill in small research project, a written test etc.

1. Regular periodic examinations shall be conducted throughout the course. There shall be no less than three internal assessment examinations in each Preclinical / Para-clinical subject and no less than two examinations in each clinical subject in a professional year. An end of posting clinical assessment shall be conducted for each clinical posting in each professional year.
2. When subjects are taught in more than one phase, the internal assessment must be done in each phase and must contribute proportionately to final assessment. For example, General Medicine must be assessed in second Professional, third Professional Part I and third Professional Part II, independently.
3. Day to day records and log book (including required skill certifications) should be given importance in internal assessment. Internal assessment should be based on competencies and skills.
4. The final internal assessment in a broad clinical specialty (e.g., Surgery and allied specialties etc.) shall comprise of marks from all the constituent specialties. The proportion of the marks for each constituent specialty shall be determined by the time of instruction allotted to each.
5. Learners must secure at least 50% marks of the total marks (combined in theory and practical / clinical; not less than 40 % marks in theory and practical separately) assigned for internal assessment in a particular subject in order to be eligible for appearing at the final University examination of that subject. Internal assessment marks will reflect as separate head of passing at the

summative examination.

6. The results of internal assessment should be displayed on the notice board within a 1-2 weeks of the test. Universities shall guide the colleges regarding formulating policies for remedial measures for students who are either not able to score qualifying marks or have missed on some assessments due to any reason.
7. Learners must have completed the required certifiable competencies for that phase of training and completed the log book appropriate for that phase of training to be eligible for appearing at the final university examination of that subject.
8. **Internal assessment marks will not be added to University Examination marks and will reflect as a separate head of passing at the summative examination Internal Assessment examination: 200 (Theory 100 and Practical 100) Marks**
 - a. Criteria for calculating Internal Assessment eligibility marks for appearing MBBS Phase-II examinations for the students admitted from the academic year 2019-20 onwards are as shown in table 6

Table 1 Internal assessment marks for Second Professional Year

Theory		Practical	
	Marks		Marks
Internal Assessment Examination	80	Internal Practical Examination	50
Periodic Assessments Tests	20	Viva -Voce	20
		Logbook and Record Book	10+10
		Professionalism	05
		AETCOM	05
Total Marks	100		100

- b. Average marks of all three notified theory internal assessment examinations (IAE) will be reduced to 80. Average marks obtained from Periodic Assessment Tests (Marks 20) will be added to IAE. The sum of IAE and PAT for 100 marks will be sent to the University. Average marks of the three practical IAE including viva-voce shall be calculated for 70. The marks obtained for Logbook (10marks), Record Book (10marks), Professionalism (05marks) and AETCOM (05marks) will be added to practical IAE marks and the marks obtained for 100 will be sent to University.

Theory: 100 marks

Minimum of three internal assessments (IA) will be conducted at the end of each module for 100 marks. The pattern of question paper is represented in table 7. Average marks of all three notified theory internal assessment examinations (IAE) is taken into consideration for calculating the final internal assessment marks. Marks obtained by

Periodic Assessment tests like Quiz, PCT, MCQs, will be added to theory internal marks.

Table 2 Pattern of question paper for internal assessment examination

Type of Questions	Number of questions	Marks for each question	Total
Multiple Choice Questions	20	1	20
Long Essay Questions	2	10	20
Short Essay Questions	6	5	30
Reasoning Questions / Short Answer Questions	10	3	30
Total marks			100

Note:

- Case Based Questions: 20% of total marks.
- Two questions based on integration (AITo) in Internal Assessment Examination and one question from AETCOM.
- A student who has not taken minimum required number of tests for Internal Assessment, each in theory and practical will not be eligible for University examinations.
- The results of Internal Assessment should be displayed on notice board within 2 weeks of the test and an opportunity to be provided to the students to discuss the results and get feedback on making their performance better.
- The third internal examination in Paraclinical subjects should be prelim or pre- university examination.
- Internal assessment marks will not be added to University examination marks and will reflect as a separate head of passing at the summative examination.

Practical and Viva- voce : 100 Marks

Three practical assessments and viva-voce will be conducted along with the Theory Internal Assessments. Average marks of the three practical IAE and viva-voce will be taken. The marks obtained for Logbook, Record Book, Professionalism and AETCOM will be added to practical IAE marks. Objective Structured Practical Examination will be a method of assessment in Internal Assessment and Summative examination.

University Examinations

1. University examinations are to be designed with a view to ascertain whether the candidate has acquired the necessary knowledge, minimal level of skills, ethical and professional values with clear concepts of the fundamentals which are necessary for him/her to function effectively and appropriately as a physician of first contact. Assessment shall be carried out on an objective basis to the extent possible.
2. Nature of questions will include different types such as structured essays (Long Answer Questions - LAQ), Short Answers Questions (SAQ) and objective

type questions (e.g. Multiple Choice Questions - MCQ). Marks for each part should be indicated separately. MCQs shall be accorded a weightage of not more than 20% of the total theory marks. In subjects that have two papers, the learner must secure at least

40% marks in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass.

3. Practical/clinical examinations will be conducted in the laboratories and /or hospital wards. The objective will be to assess proficiency and skills to conduct experiments, interpret data and form logical conclusion. Clinical cases kept in the examination must be common conditions that the learner may encounter as a physician of first contact in the community. Selection of rare syndromes and disorders as examination cases is to be discouraged. Emphasis should be on candidate's capability to elicit history, demonstrate physical signs, write a case record, analyze the case and develop a management plan.

4. Viva/oral examination should assess approach to patient management, emergencies, attitudinal, ethical and professional values. Candidate's skill in interpretation of common investigative data, X-rays, identification of specimens, ECG, etc. is to be also assessed.

5. There shall be one main examination in an academic year and a supplementary to be held not later than 90 days after the declaration of the results of the main examination.

6. A learner shall not be entitled to graduate after 10 years of his/her joining of the first part of the MBBS course.

7. University Examinations shall be held as under:

(a) First Professional

1. The first Professional examination shall be held at the end of first Professional training (1+12 months), in the subjects of Human Anatomy, Physiology and Biochemistry.

2. A maximum number of four permissible attempts would be available to clear the first Professional University examination, whereby the first Professional course will have to be cleared within 4 years of admission to the said course. Partial attendance at any University examination shall be counted as an availed attempt.

(b) Second Professional

1. The second Professional examination shall be held at the end of second professional training (11 months), in the subjects of Pathology, Microbiology, and Pharmacology.

(c) Third Professional

1. Third Professional Part I shall be held at end of third Professional part 1 of training (12 months) in the subjects of Ophthalmology, Otorhinolaryngology,

Community Medicine and Forensic Medicine and Toxicology

2. Third Professional Part II - (Final Professional) examination shall be at the end of training (14 months including 2 months of electives) in the subjects of General Medicine, General Surgery, Obstetrics & Gynecology and Pediatrics. The discipline of Orthopedics, Anesthesiology, Dentistry and Radiodiagnosis will constitute 25% of the total theory marks incorporated as a separate section in paper II of General Surgery.

3. The discipline of Psychiatry and Dermatology, Venereology and Leprosy (DVL), Respiratory Medicine including Tuberculosis will constitute 25% of the total theory marks in General Medicine incorporated as a separate section in paper II of General Medicine.

(d) Examination schedule is in Table 1.

(e) Marks distribution is in Table 8.

Table 3 : Marks distribution for various subjects

Phase of Course	Written-Theory – Total	Practicals/ Orals/ Clinicals	Pass Criteria
First Professional			<u>Internal Assessment:</u> 50% combined in theory and practical (not less than 40% in each) for eligibility for appearing for University Examinations <u>University Examination</u> Mandatory 50% marks separately in theory and practical (practical = practical/ clinical + viva)
Human Anatomy - 2 papers	200	100	
Physiology - 2 papers	200	100	
Biochemistry - 2 papers	200	100	
Second Professional			
Pharmacology - 2 Papers	200	100	
Pathology - 2 papers	200	100	
Microbiology - 2 papers	200	100	
Third Professional Part – I			
Forensic Medicine & Toxicology - 1 paper	100	100	
Ophthalmology – 1 paper	100	100	
Otorhinolaryngology – 1 paper	100	100	
Community Medicine - 2 papers	200	100	
Third Professional Part – II			
General Medicine - 2 papers	200	200	
General Surgery - 2 papers	200	200	
Pediatrics – 1 paper	100	100	

Obstetrics & Gynaecology - 2 papers	200	200
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Note: At least one question in each paper of the clinical specialties should test knowledge - competencies acquired during the professional development programme (AETCOM module); Skills competencies acquired during the Professional Development programme (AETCOM module) must be tested during clinical, practical and viva.

In subjects that have two papers, the learner must secure at least 40% marks in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass in the said subject.

8. Criteria for passing in a subject: A candidate shall obtain 50% marks in University conducted examination separately in Theory and Practical (practical includes: practical/ clinical and viva voce) in order to be declared as passed in that subject.

There shall be two theory papers of 100 marks each and duration of each paper will be of 3 hours. The pattern of questions would be as represented in table 9.

Table 4 Pattern of question paper for University examination

Type of Questions	Number of questions	Marks for each question	Total
Multiple Choice Questions	20	01	20
Long Essay Questions	02	10	20
Short Essay Questions	06	05	30
Short Answer Questions	10	03	30
Total marks			100

- Case Based Questions: 20% of total marks.
- Two questions based on integration (AITo) and one question from AETCOM.

6. SUBMISSION OF LABORATORY RECORD NOTE BOOK:

At the time of Practical/Clinical Examination each candidate shall submit to the Examiners his/her laboratory notebook duly certified by the Head of the Department as a bonafide record of the work done by the candidate.

7. DECLARATION OF CLASS:

- A candidate having appeared in all the subjects in the same examination and passes that examination in the first attempt and secures 75% of marks or more of grand total marks prescribed will be declared to have passed in the examination with distinction.
- A candidate having appeared in all the subjects in the same examination and passes that examination in the first attempt and secures 65% of marks or more but less than 75% of grand total marks prescribed will be declared to have passed examination in First class.

- c) A candidate having appeared in all the subjects in the same examination and passes that examination in the first attempt and secures 50% of marks or more but less than 65% of grand total marks prescribed will be declared to have passed the examination in Second class.
- d) A candidate passing the university examination in more than one attempt shall be placed in **pass class** irrespective of the percentage of marks secured by him / her in the examination. **[Please note fraction of marks should not be rounded off for clauses (a), (b) and (c)]**

**Excerpts from Medical Council of India Competency Based Assessment
Module for Undergraduate Medical Education Training program, 2019**

Scheduling of IA

A proposed schedule of tests for IA is given below. An end of posting clinical assessment shall be conducted for each clinical posting in each professional year. Prior to university examinations, departments can conduct additional tests as and when required with the purpose of providing formative feedback to the students. In subjects that are taught at more than one phase, proportionate weightage must be given for internal assessment for each Phase. For example, General Medicine must be assessed in second Professional, third Professional Part I and third Professional Part II, independently. A student who has not taken minimum required number of tests for IA each in theory and practical will not be eligible for University examinations. Proper records of the work should be maintained which will form the basis for the students' internal assessment and should be available to the assessors at the time of inspection of the college by the Medical Council of India.

Components of IA

- i. Theory IA can include: theory tests, send ups, seminars, quizzes, interest in subject, scientific attitude etc. Written tests should have short notes and creative writing experiences.
- ii. Practical/Clinical IA can include: practical/clinical tests, Objective Structured Clinical Examination (OSCE)/Objective Structured Practical Examination (OSPE), Directly Observed Procedural Skills (DOPS), Mini Clinical Evaluation Exercise (mini-CEX), records maintenance and attitudinal assessment.

The IA of broader specialties should also include marks from all the allied specialties e.g. General Medicine should include marks of Psychiatry, Dermatology, Venereology

& Leprosy and Respiratory Medicine including tuberculosis etc. while General Surgery should include Orthopaedics, Dentistry, Anaesthesiology and Radio-diagnosis etc. so that students do not ignore these postings. The proportion of the marks for each allied specialty shall be proportionate to the time of instruction allotted to each. It may be noted that although very small contribution is being made by allied subjects, yet it serves as motivator to the students to not miss these postings. When subjects are taught in more than one phase - the assessment must be done in each phase and must contribute proportionally to final internal assessment. Example of theory paper and some examples of questions are given below.

Suggested phase wise scheduling of tests for internal assessment for Colleges (This is only a suggested sample plan. Local changes can be made if they conform to proposed GMER 2019)

Phase	Minimum Number of tests during the year	Remarks
1st	Human Anatomy 3, Physiology 3, Biochemistry 3, Community Medicine 1	<ul style="list-style-type: none"> •ECE assessment should be included subject-wise •There should be at least one short question from AETCOM in each subject •One of the 3 tests in preclinical subjects should be prelim or pre-university examination
2 nd	Pathology 3, Pharmacology 3, Microbiology 3, Two tests for- General Medicine (Including Psychiatry, Dermatology, Venereology & Leprosy (DVL) and Respiratory Medicine including Tuberculosis), General Surgery (Including Orthopaedics, Dentistry, Anaesthesiology and Radiodiagnosis), Obstetrics & Gynaecology, Forensic Medicine & Toxicology and Community Medicine End of posting (EOP) examination at each clinical posting including those of allied subjects	<ul style="list-style-type: none"> •Clinical subjects should also be assessed at end of each posting (EOP) – Theory and Practical •There should be at least one short question from AETCOM in each subject •One of the 3 tests in Para-clinical subjects should be prelim or pre-university examination

3 rd	<p>Forensic Medicine & Toxicology 2, Community Medicine 2 Ophthalmology 2, Otorhinolaryngology 2,</p> <p>Two tests for- General Medicine (Including Psychiatry, Dermatology, Venereology & Leprosy (DVL) and Respiratory Medicine including Tuberculosis), General Surgery (Including Orthopaedics, Anaesthesiology and Radiodiagnosis), Pediatrics, Obstetrics &Gynaecology</p> <p>EOP examination at each clinical posting including allied subjects</p>	<ul style="list-style-type: none"> •Clinical subjects should also be tested at end of each posting (EOP)-Theory and Practical •There should be at least one short question from AETCOM in each subject •One of the tests in Ophthalmology, Otorhinolaryngology /Forensic Medicine &Toxicology/ Community Medicine should be prelim or pre-university examination
4 th	<p>Two Tests for- General Medicine (Including Psychiatry, Dermatology, Venereology & Leprosy (DVL) and Respiratory Medicine including Tuberculosis),General Surgery (Including Orthopaedics, Anaesthesiology and Radiodiagnosis), Pediatrics, Obstetrics & Gynaecology</p> <p>EOP examination at each clinical posting including that in allied subjects</p>	<ul style="list-style-type: none"> •Clinical subjects should also be tested at end of each posting (EOP) -Theory and Practical •There should be at least one short question from AETCOM in each subject •One of the tests in Medicine, Surgery, Pediatrics and Obstetrics & Gynaecology should be prelim or pre- university examination •Assessment of electives to be included in IA
	AETCOM: Attitude, Ethics and Communication	

The internal Assessment marks for each subject will be out of 100 for Theory and out of 100 for Practical/ Clinical (Except in General Medicine, General Surgery and Obstetrics and Gynecology, in which Theory and clinical will be of 200 marks each).

Internal assessment marks will reflect as a separate head of passing at the summative examination and will not be added to the University marks.

Twenty five percent of weightage in theory tests in Medicine and Surgery should be given to allied subjects and there should be at least one question from each allied subject.

Examples of theory questions

Sl. No.	Type	Explanation	Examples
1	Long essay type question	<p>The question should pose a clinical/practical problem to the students and require them to apply knowledge and integrate it with disciplines. Avoid giving one liners as questions. The question stem should be structured and marking distribution should be provided. Use action verbs from higher domains as given in this document.</p> <p>Please avoid simple recall based questions. What is asked in the examination generally sets the agenda of what and how the students learn.</p>	<p>- A 6 days old term neonate has presented with jaundice noted at 3 days of age. He is born out of normal delivery at home. On examination, he looks pale, has a liver of 5 cms and spleen of 2 cms. Other systemic examination is normal.</p> <ol style="list-style-type: none"> What is your provisional diagnosis? Which other conditions need to be considered? Enumerate the lab tests that you will order and their likely reports in each of the diagnosis that you considered. Explain the physical findings in the light of underlying derangements. <p>- Describe the clinical features, complications and management of type 2 diabetes mellitus. (3+3+4=10)</p>
2	Short notes	<p>These provide opportunity to sample a wider content, albeit in a short time. The questions should be task oriented rather than 'Write a short note on xxx'. (Two questions based on ECE in Phase 1 in internal assessment) (Two questions based on integration in Phase 2 &3 in internal assessment)</p>	<ol style="list-style-type: none"> What are the various ways in which acute glomerulonephritis can present during childhood? What is the role of antibiotics in childhood diarrhoeas? What is the utility of routine vitamin K administration during new born period? Compare and contrast the use of ramipril and amlodipine in treatment of hypertension.
3	Reasoning Questions	<p>These provide excellent opportunities for testing integration, clinical reasoning and analytic ability of the student.</p>	<p>Which components of breast milk help in prevention of neonatal infections? How do they help in prevention of infection?</p> <p>Plan immunization for a 2 years old totally un- immunized child.</p>

			<p>What is the physiological basis of origin of respiratory sounds? How can they help us in making a diagnosis?</p> <p>Explain why adrenaline is the preferred medication in anaphylactic shock.</p>
4	Short notes Applied aspects	<p>(Pre & Para-Clinical subjects: questions on applied aspect)</p> <p>(Clinical subjects: questions on preclinical basis)</p>	<p>Pre & Para-Clinical subjects: Describe clinical significance of half-life of drugs.</p> <p>Clinical subjects: Explain patho-physiological basis of clinical features of heart failure</p>
5	Short notes AETCOM	(one question on AETCOM in all subjects in all phases)	Pharmacovigilance program of India AETCOM: What are the rights of a patient in a hospital setting
6	MCQs	MCQs should be scenario based, single response with 4 options in answers. Avoid one liner and negative terms in stem of question. Avoid 'all of above' and 'none of above' in options.	<p>1. A 25 year old lady was using oral contraceptives successfully for last two years. She got tuberculosis and was prescribed Rifampicin. She became pregnant after 2 months of starting Rifampicin despite continuing the oral contraceptives. Which of the following effects of Rifampicin can be the reason for this?</p> <ol style="list-style-type: none"> Induction of oral contraceptive metabolism Stimulation of ovulation Interruption of entero-hepatic circulation Increased excretion of oral contraceptives <p>Key: A</p> <p>2. A 2 year old child presents with excessive weight gain over last 1 week. He has puffyeyes, pitting edema and normal blood pressure. Urine examination shows no RBCs but massive proteinuria. Which of the following biochemical parameters is likely to be elevated in this child?</p> <ol style="list-style-type: none"> Urea Cholesterol Creatinine

			<p>d. Uric acid</p> <p>Key: B</p> <p>3. Which of the following term best describes the decreased effects of beta adrenergic agonists in bronchial asthma after long term use?</p> <p>a. Pharmacokinetic tolerance</p> <p>b. Pharmacodynamic tolerance</p> <p>c. Tachyphylaxis</p> <p>d. Drug dependence</p> <p>Key : B</p>
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Note: AETCOM question should be based on competencies (primarily knowledge based) acquired during teaching of the AETCOM module. At least one question in each paper of the clinical specialties should test knowledge - competencies acquired during the professional development programme (AETCOM module); Skills competencies acquired during the Professional Development programme (AETCOM module) must be tested during clinical, practical and viva.

In subjects that have two papers, the learner must secure atleast 40% marks in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass in the said subject.

BSc – AHS

ASSESSMENT

There shall be examinations at the end of each semester as per the calendar of events notified by the university.

1. INTERNAL ASSESSMENT

Regular internal assessment examinations should be conducted on each course in a semester. There should be a minimum of at least 03 internal assessments examinations in each semester, the number of examination on each course is left to the department. An average of the best two internal assessment examinations should be taken in to consideration during calculation of marks of internal assessment.

The weightage given to the internal assessment is 20% out of the total marks assigned to the course.

Student must secure at least 35% of total marks fixed for internal assessment examination of that course to be eligible to appear for the examination

2. REGISTERING FOR THE EXAMINATIONS

Candidate to be eligible to appear for University examination, shall have undergone satisfactorily the semester of the study, shall have to obtain 75% attendance in theory and practical/tutorial jointly to become eligible to appear for examination in the subject/course, Shall secure at least 35% of internal assessment from the total marks fixed for IA in a particular subject in order to become eligible for examination, shall fulfil any other requirement that may be prescribed by the University from time to time.

And shall pass in all the courses of that semester. Such eligible students will be allotted Registration Number.

3. VALUATION OF ANSWERSSCRIPTS

Each written paper shall be valued by one internal examiner and one external examiner. Each practical examination shall be jointly conducted and evaluated by one internal examiner and one external examiner or two external examiners if there are no internal examiners. But not by two internal examiners. If the difference in marks between two valuations is more than 15% of the maximum marks, the Registrar (Evaluation) or his nominee shall check the entries and the total marks assigned by the two valuers. If there is any mistake in totalling, it shall be rectified. While checking the total, if it is observed that any one or more of the answers is not valued by one of the valuers, the Chairman, BOE shall advise internal members of the Board of Examiners to value that answer. After receiving the marks, the Chairman, BOE shall make the necessary corrections. Despite all these corrections, if the difference between the two valuations is still more than 15%, the Chairman, BOE shall arrange for third valuation by examiners from the approved panel of examiners.

In case of two valuations, the average of the two valuations and if there are three valuations, the average of the nearest two valuations shall be taken for declaring results.

4. RESULTS CLASSIFICATION OF SUCCESSFUL CANDIDATES

The results of successful candidates at the end of each semester shall be declared on the basis of Percentage of Aggregate Marks, converted to grade point and alpha – sign grade for each course on the basis of 10 point scale recommended by UGC.

The following table 1 and 2 shows the final results with grade description and grades

Table 1: Final Result/Grades Description

Semester/ Program % of marks	Semester GPA / Program CGPA	Alpha-Sign/ Letter Grade	Result/Class Description
90.0-100	9.00-10.00	O (Outstanding)	Outstanding
80.0-<90.0	8.00-<9.00	A+ (Excellent)	First Class Exemplary
70.0-<80.0	7.00-<8.00	A (Very Good)	First Class Distinction
60.0-<70.0	6.00-<7.00	B+ (Good)	First Class
55.0-<60.0	5.50-<6.00	B (Above Average)	High Second Class
50.0-<55.0	5.00-<5.50	C (Average)	Second Class
40.0-<50.0	4.00-<5.00	P (Pass)	Pass Class
Below 40	Below 4.00	F (Fail)	Fail/ Reappear
Absent	0	Ab (Absent)	

Table 2 point grading system with letter grade

Grade Point	0	0	4	5	6	7	8	9	10
Letter Grade	Ab	F	P	C	B	B+	A	A+	O
	Absent	Fail	Pass	Average	Above average	Good	Very good	Excellent	Outstanding

5. COMPUTATION OF SEMESTER GRADE POINT AVERAGE (SGPA) AND CUMULATIVE GRADE POINT AVERAGE (CGPA)

5.1 Calculation of SGPA

The following procedure to compute the Semester Grade Point Average

The SGPA is the ratio of sum of the product of the number of credits with the grade points

scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e

$$\text{SGPA (Si)} = \frac{\sum (C_i \times G_i)}{\sum C_i}$$

where C_i is the number of credits of the i th course and G_i is the grade point scored by the student in the i th course.

Note: Grade point denotes the decimal of percentage of marks scored

Example for SGPA (20 Credits)

Papers/courses	P1	P2	P3	P4	P5	Total
Max. marks	100	100	100	100	100	500
% Marks Obtained	77	73	58	76	64	348
Grade Points Earned (GP)	7.7	7.3	5.8	7.6	6.4	-
Credits for the Course(C)	4	4	4	4	4	20
Credit points= GP x C	31	29	23	30	26	139

Semester Aggregate Marks : $348 / 500 = 69.60 \%$

Classification of Result : First Class

Illustration for SGPA

Course /Core paper	Credit	Grade letter As per 10 point scale	Grade point As per 10 point scale	Credit point (Credit X Grade point)
Course 1	04	A	7.7	4X7.7= 31
Course 2	04	B+	7.3	4X7.3=29
Course 3	04	B	5.8	4X5.8=23
Course 4	04	O	7.6	4X7.6=30
Course 5	04	C	6.4	4X6.4=26
	20			139
	SGPA	$139/20 = 6.95$		

The SGPA shall then be computed by dividing the total credit points of all the courses of a semester of the study by the total credits for the semester.

SGPA = Total credit points / Total Credits = $139 / 20 = 6.95$

Semester Alpha Sign Grade: **B**

5.2 Calculation of CGPA

The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a program, i.e.

$$\text{CGPA} = \frac{\sum(C_i \times S_i)}{\sum C_i}$$

where S_i is the SGPA of the i th semester and C_i is the total number of credits in that semester.

Example for CGPA

The Cumulative Grade Point Average (CGPA) at the end of the fourth semester shall be calculated as the weighted average of the semester GPW. The CGPA is obtained by dividing the total of GPW of all the four semesters by the total credits for the program.

ILLUSTRATION I

Semester	I	II	III	IV	V	VI	Total
Total Marks per Semester	500	500	500	500	500	500	3000
Total Marks Secured	348	460	466	450	400	400	2524
Semester Alpha Sign Grade	B+	O	O	O	A+	A+	-
SGPA	6.95	8.0	7.77	8.5	7.0	7.0	-
Semester total Credits	20	26	24	24	24	24	142

Aggregate Percentage of Marks = $2524 / 3000 = 84.1 \%$

Classification of Result: **Excellent (First class with exemplary)**

Illustration for CGPA

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6
Credit 20	Credit 26	Credit 24	Credit 24	Credit 24	Credit 24
SGPA 6.95	SGPA 8.0	SGPA 7.77	SGPA 8.5	SGPA 7.0	SGPA 7.0

$$\text{CGPA} = \frac{20(6.95) + 26(8.0) + 24(7.77) + 24(8.5) + 24(7.0) + 24(7.0)}{\text{Total credits of programme } 142}$$

$$\text{CGPA} = \frac{139 + 208 + 186.5 + 204 + 168 + 168}{142} = 1073.50 / 142 = 7.56$$

CGPA 7.56 A (very good) First class with distinction

6. TRANSCRIPT (SCORE CARD /MARKS SHEET) FORMAT

University will issue a transcript format indicating semester performance in terms of score, grade points, SGPA and CGPA. Where the SGPA and CGPA shall be rounded off to 2 decimal places and reported in the Transcripts.

BSc – CND

ASSESSMENT

There shall be examinations at the end of each semester at the end of each semester as per the calendar of events notified by the university.

1. INTERNAL ASSESSMENT

Regular internal assessment examinations should be conducted on each course in a semester. Internal Assessment will be based on 2 internal examinations, seminar, assignments and class performance. Internal Assessment total marks will be the sum of the marks given to internal examinations, seminar, assignments and class performance. There should be a minimum of at least 2 internal assessments examinations in each semester, the number of examination on each course is left to the department. An average of the two internal assessment examinations should be taken into consideration during calculation of marks of internal assessment. The nature of final examination, whether written or oral or both, in respect of each course shall also be made known to the students at the beginning of the academic session. The weightage given to the internal assessment is 20 % out of the total marks assigned to the course. The student must secure at least 35% in each subject of the internal assessment of the course.

2. REGISTERING FOR THE EXAMINATIONS

Candidate to be eligible to appear for University examination, shall have undergone satisfactorily the semester of the study, shall have to obtain 75% attendance in theory and practical/ tutorial jointly to become eligible to appear for examination in the subject or course. Shall secure at least 35% of internal assessment for total marks fixed for IA in a particular subject in order to become eligible for examination, shall fulfill any other requirement that may be prescribed by the university from time to time and shall pass in all the courses of that semester. Such eligible students will be allotted Registration Number.

3. VALUATION OF ANSWER SCRIPTS

Each written paper shall be valued by one internal examiner and one external examiner. Each practical examination shall be jointly conducted and evaluated by one internal examiner and one external examiner or two external examiners if there are no internal examiners. But the valuation should not be done by two internal examiners.

If the difference in marks between two valuations is more than 15% of the

maximum marks, the controller of examination or his nominee shall check the entrees and the total marks assigned by the two valuers. If there is any mistake in totaling, it shall be rectified. While checking the total, if it is observed that any one or more of the answers is not valued by one of the valuers, the Chairman, BOE shall advise internal members of the Board of examiners to value that answer. After receiving the marks, the Chairman, BOE shall make the necessary corrections. Despite all these corrections, if the difference between the two valuations is still more than 15%, the Chairman, BOE shall arrange for third evaluation by examiners from the approved panel of examiners.

In case of two valuations, the average of the two valuations and if there are 3 valuations, the average of the nearest two valuations shall be taken for the declaring results.

4. RESULTS CLASSIFICATION OF SUCCESSFUL CANDIDATES

The results of successful candidates at the end of each semester shall be declared on the basis of percentage of aggregate marks, converted to grade point and alpha-sign grade for each course on the basis of 10 point scale recommended by UGC

The following table 1 and 2 shows the final results with grade description and grades

Table 1 – Final results/ Grade Description

Semester/ Program % of marks	SGPA/ Program CGPA	Alpha-Sign/ Letter Grade	Result/ Class Description
90.0-100	9.00-10.00	O (Outstanding)	Outstanding
80.0-<90.0	8.00-<9.00	A+(Excellent)	First Class Exemplary
70.0-<80.0	7.00-<8.00	A(Very Good)	First Class Distinction
60.0-<70.0	6.00-<7.00	B+(Good)	First Class
55.0-<60.0	5.50-<6.00	B(Above Average)	High Second Class
50.0-<55.0	5.00-<5.50	C(Average)	Second Class
40.0-<50.0	4.00-<5.00	P (Pass)	Pass Class
<40.0	<4.00	F(Fail)	Fail/ Reappear
Absent	0	Ab (Absent)	-

Table 2 point Grading System with letter grade

Letter Grade	Grade Point
O (Outstanding)	10
A+(Excellent)	9
A(Very Good)	8
B+(Good)	7
B(Above Average)	6
C(Average)	5
P (Pass)	4
F(Fail)	0
Ab (Absent)	0

5. COMPUTATION OF SGPA AND CGPA

a. Grade Point

Grade Point of course (Gi) It is the value obtained by dividing the percentage of marks secured in a course by 10

b. Calculation of SGPA

The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e

$$\text{SGPA (Si)} = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

where C_i is the number of credits of the i^{th} course and G_i is the grade point scored by the student in the i^{th} course.

Illustration of SGPA

Course	Credit	Grade letter	Grade point	Credit Point (Credit x Grade)
Course 1	3	A	8	3 X 8 = 24
Course 2	4	B+	7	4 X 7 = 28
Course 3	3	B	6	3 X 6 = 18
Course 4	3	O	10	3 X 10 = 30
Course 5	3	C	5	3 X 5 = 15
Course 6	4	B	6	4 X 6 = 24
	20			139

The SGPA shall then be computed by dividing the sum of total credit points of the courses by the total credits of the semester.

SGPA = Total Credit points/ Total Credits = 139/20 =

6.95 Semester Alpha-Sign Grade : **B**

c. Calculation of CGPA

The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

$$\text{CGPA} = \frac{\sum(C_i \times S_i)}{\sum C_i}$$

where S_i is the SGPA of the i th semester and C_i is the total number of credits in that semester.

Illustration for CGPA

Semester 1	Semester 2	Semester 3	Semester 4
Credit: 22; SGPA:6.8	Credit: 22; SGPA:6.73	Credit: 28; SGPA: 9.07	Credit: 28; SGPA:7.5

Semester 5	Semester 6
Credit: 24; SGPA:7.75	Credit: 24; SGPA: 8.0

Thus, $\text{CGPA} = (22 \times 6.8 + 22 \times 6.73 + 28 \times 9.07 + 28 \times 7.5 + 24 \times 7.75 + 24 \times 8.0) / 148 = 7.7$

CGPA= 7.7 A (very good) first Class with distinction

6. TRANSCRIPT (SCORE CARD/ MARKS SHEET) FORMAT

University will issue a transcript of marks indicating the list of all papers studied, Credit hours, Grade points, credit points, SGPA and CGPA. Where the SGPA and SGPA shall be rounded off to 2 decimal places and reported in Transcript of marks.

BPT

ASSESSMENT

The scheme of the examination is semester wise. The four years course period consists of eight semesters. There shall be two internal assessment examinations in each semester followed by University examination at the end of each semester.

1. INTERNAL ASSESSMENT:

- Regular internal assessment examinations should be conducted on each course in a semester. There should be a minimum of at least 2 internal assessments examinations in each semester, the number of examination on each course is left to the department. An average of the (Best) two internal assessment examinations should be taken into consideration during calculation of marks of internal assessment.
- The weightage given to the internal assessment is 20/25% out of the total marks assigned to the theory course.
- The student must secure at least 35% in each subject of the internal examinations in both theory and practical examination of the subject to be eligible to appear semester examinations.

2. SCHEME OF EXAMINATION: PART 2.

There shall be examinations at the end of each semester as per the calendar of events notified by the university

3. VALUATION OF ANSWER SCRIPTS

Each written paper shall be valued by one internal examiner and one external examiner. Each practical examination shall be jointly conducted and evaluated by one internal examiner and one external examiner or two external examiners if there are no internal examiners. But the valuation should not be done by two internal examiners.

4. THIRD VALUATION

A theory paper subjected to the third valuation if the difference in marks awarded by two evaluators exceeds 15% and above. After the

third evaluation, the 2 closest marks among the 3 valuations shall be averaged and awarded.

If the difference in the marks persists 15% and above after 3rd valuation, the average of all 3 valuation marks awarded by all 3 examiners shall be taken and will be awarded to the candidate.

5. REVALUATION

There is no revaluation permissible in the regulation

6. Conduct of Practical Examination.

- The practical examination shall commence immediately after final theory examination. The practical examination shall be conducted by 2 examiners who are experts in their subjects, one of them shall be an internal examiner and one of them shall be an external examiner. The external examiner shall be selected from an available panel of examiner list. The external examiner shall have preferably 3 years teaching experience after MPT from a recognized university and the internal examiner shall have a minimum of 1 years of teaching experience from the department of Physiotherapy. The practical examination in specialty papers like orthopedic/ neurological Physiotherapy, the examiner shall have same discipline in their post-graduation and teaching experience. The practical examination shall be conducted in lab/equipment's/human models till

completion of the second year and Physiotherapy practical's for 3rd and 4th year may be conducted with assessing patients and describing the treatment methods. This shall be implemented based on the availability of patients and feasibility.

- Each practical examination shall be jointly conducted and evaluated by one internal examiner and one external examiner or two external examiners if there are no internal examiners.

7. PASS CRITERIA

- A candidate is declared to have passed the examination in a subject, if he/she secures a minimum of 35% marks in the university conducts theory examination, 35% in university practical examination and viva-voce examination individually.

- Subject aggregate marks scored by the candidate should be 50% including theory, theory internal assessment & practical internal assessment, university practical and viva-voce added together. Subject aggregate of 50% also applies to the subject which does not have a internal assessment, practical and viva component. This pass criterion applies to core course, AEC, DSE and GE course.

8. GRACE MARKS:

The grace marks up to a maximum of 05 (Five) marks may be awarded at the discretion of the University to a student who has **failed only in one subject** but has passed all other subjects in the semester.

9. CBCS SUBJECTS:

The minimum prescribed marks for a pass in a CBCS (AEC/SEC/DES/GE) subject shall be 50% of the maximum marks prescribed for a subject. These subjects examination shall be conducted after core subject's examination.

10. CARRYOVER POLICY

- In the first year, candidates who fail in first semester examinations may go to the second semesters and take the examinations. The student shall have to pass all the papers in first semester & 2nd semester to enter in second year or 3rd semester.
- The candidates shall carry the 3rd & 4th-semester papers to 5th semester and have to pass all the subjects of 3rd & 4th semester together with a 5th semester to enter in the 6th semester.
- The 6th semester papers can be carried over to 7th semester, but students have to pass all the subjects of 6th & 7th semester to enter the 8th semester (final Semester).
- The candidates who failed to clear the subjects on particular break semester will be placed 6 months back as an intermediate batch.

11. DECLARATION OF CLASSES

- A candidate having appeared in all the subjects in the university examination and passed the examination in the first attempt and secures 75% of marks or more of the total marks prescribed will be declared to

have passed the examination with Distinction.

- A candidate having appeared in all subjects in the university examination and passed the examination in the first attempt and secures 60% of marks or more but less than 75% of the total marks prescribed will be declared to have passed the examination in First Class.

- A candidate having appeared in all the subjects in the university examination and passed the examination in the first attempt and secures 50% of marks or more but less than 60% of the total marks prescribed will be declared to have passed the examination in Second Class.

- A candidate passing the university examination in more than one attempt shall be placed in a semester Pass class irrespective of the percentage of marks secured by him/her in the examination.

12. ELIGIBILITY FOR THE AWARD OF DEGREE:

A candidate shall pass in all the subjects of all the semesters of the programme and complete minimum of 6-month compulsory rotatory internship programme to be eligible for the award of Bachelor of Physiotherapy degree.

5. Semesters:

- a) An academic year consists of two semesters.

UG (BPT)	Odd semester	Even semester
	August - January	February to July
	1 st , 3 rd , 5 th and 7 th semesters	2 nd , 4 th , 6 th and 8 th semesters

- b) The annual working days would be 200 working days (100 days per semester).

6. Credits:

- a) Credit defines the quantum of contents/syllabus prescribed for a course and determines the number of hours of instruction required per week. Thus, normally in each of the courses, credits will be assigned on the basis of the number of lectures/ tutorial laboratory work and other forms of learning

required, to complete the course contents in a 15-20 weekschedule:

- 1 credit = 1 hour of lecture per week (1 Credit course = 15 hours of lectures per semester)
- 3 credits = 3 hours of instruction per week (3 Credit course = 45 hours of lectures per semester)

b) Credits will be assigned on the basis of the lectures (L) / tutorials (T) / Clinical Training (CR) / laboratory work (P) / Project/Research work (PR)/ Internship (INT) and other forms of learning in a 15-20 week schedule.

- L - **One credit** for **one hour** lecture per week (1 credit course = 15 hours/semester)
- T - **One credit** for **one hour** tutorial per week (1 credit course = 15 hours/semester)
- P/T - **One credit** for every **two hours** of practical or lab (1 credit course = 30 hrs/sem)
- CR - **One credit** for every **2 hours** of Clinical training/ Clinical rotation/ posting (1 credit course = **30** hours)
- RP - **One credit** for every **two hours** of Research Project per week – Max Credit 20- 25 (1 credit course = 30 hours)
- INT - **One credit** for every **2 hours** of compulsory rotatory clinical training (1 credit course = **30** hours)

□

	Hours spend	Credit
Lecture – L	1 Hour	= 1 credit
Tutorial – T	1 Hour	= 1 credit
Practical / lab – P	2 Hour	= 1 credit
Clinical training/posting/field training – CT/CP	2 Hour	= 1 credit
Project / Research work	2 hours	= 1 credit
Internship- compulsory rotatory internship training- INT***	2 hours	= 1 credit
*** Maximum of 42 credits		

7. Types of Courses:

Courses in a programme may be of three kinds:

- **Core Course**
- **Elective Course**
- **Ability Enhancement Course (Foundation Courses)**

8.1 Core Course: A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course. There may be a **Core Course** in every semester. This is the course which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

8.2 Elective Course: Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.

8.2.1 Discipline Specific Elective (DSE) Course: Elective courses offered by the main discipline/subject of study are referred to as Discipline Specific Elective. The University / Institute may also offer discipline related Elective courses of interdisciplinary nature. An elective may be "**Discipline Specific Electives (DSE)**" focusing on those courses which add generic proficiency to the students.

8.2.2 Dissertation / Project: An Elective/Core course designed to acquire special/ advanced knowledge, such as supplement study / support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher / faculty member is called dissertation / project.

8.2.3 Generic Elective (GE) Course: An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.

P.S.: A core course offered in a discipline / subject may be treated as an elective by other discipline / subject and *vice versa* and such electives may also be referred to as Generic Elective.

8.3 Ability Enhancement Courses (AEC): The Ability Enhancement (AE) Courses may be of two kinds: Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC).

8.3.1. Ability Enhancement Compulsory Courses (AECC): These are the courses based upon the content that leads to Knowledge enhancement (i) Environmental Science and (ii) English/MIL Communication. These are

mandatory for all disciplines.

8.3.2. Skill Enhancement Courses (SEC): SEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, Indian and foreign languages etc. These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.

8. Assigning Credit Hours per Course: While there is flexibility for the departments in allocation of credits to various courses offered based on the curriculum for specific course per program.

The general formula would be:

- All core course should be restricted to a maximum of 4 credits
- All electives should be restricted to a maximum of 3 credits
- All ability enhancement course should be restricted to a maximum of 2 credits

The concerned BOS will choose the convenient credit pattern for every course based on the requirement. The credit can be allotted based on the requirement for professional/ health science courses.

Credit for Courses with Theory and Lab components

Model – 1							
First year – Semester - 1							
Course Number	Course Code	Course Title	L	T	P	C	Total Hours
1	BPT 111	Anatomy	4	-	4	6 (4+2)	120

9.1. Assigning total Credits for a Program: The UGC, in its notification No.F.1- 1/2015 (Sec.) dated 10/4/15 has provided a set of Model curricula and syllabi for CBCS programmes. In conformation with this notification, at SRU the UG programs are for 3 years duration offering a curriculum for 150 credits total. In health care and allied health programs can have credit points based on the curriculum requirement.

9.2. Credit Value per Course & Structure of Syllabus:

To ensure uniformity in assigning the credits to a course, a structured and unitized syllabus shall be observed. The each course will be provided a structured syllabus in the following format:

- a) Title of the Course
- b) Learning Objectives
- c) Units of course

- d) Syllabus Content
- e) Learning Outcomes
- f) References
 - I. Text Books – 2
 - II. Reference Books – 2
 - III. Web Resources – 2 Web Portals

Minimum credit allocation for a course is as per the curriculum designed by the department.

9. Code Numbering of the Course component:

The courses listed will be denoted with components of (L-T-P-C) where L, T, P, C refer to the Credits assigned to **L**ecture, **T**utorial, **P**ractical / Laboratory and Total **C**redit under each of the courses. **P**-column can also include Clinical Training (CR), field training and Research Project (RP/PR) wherever appropriate. In addition to learning the subject of choice and peripheral subject of use, emphasis shall also be placed on improving communication, language and computer skills of the student.

a) Course Numbering pattern:

The course code explains the department where the course is offered and the year and semester in which it is offered. Each course can be numbered in an order or sequence.

10. Examinations and Assessment

Since various methods for examination and assessment for the courses and programmes of the Universities as approved by their respective statutory bodies are followed, there is great extent of variation in interpreting the knowledge and skills of the students across the universities. In assessing the

performance of the students in examinations, the usual approach is to award marks based on the examinations conducted at various stages (sessional, mid-term, end-semester etc.,) in a semester. Some of the HEIs (Higher education institutions) convert these marks to letter grades based on absolute or relative grading system and award the grades. Again, there is a marked variation across the colleges and universities in the number/type of grades, grade points, letter grades used, which creates difficulties in comparing students across the institutions. Hence, SDUAHER – BPT department has adopted the UGC recommended system of awarding the grades and CGPA under this Choice Based Credit Semester system.

11. Letter Grades and Grade Points:

- i. BPT curriculum would be following the absolute grading system, where the marks are compounded to grades based on pre-determined class intervals.
- ii. The UGC recommended 10-point grading system with the following letter grades are given below:

Table 1: conversion of Grades and Grade Points

Letter Grade	Grade Point
O (Outstanding)	10
A+ (Excellent)	9
A (Very Good)	8
B (Good)	7
P (pass)	6
F (Fail)/ RA (Reappear)	0
Ab (Absent)	0
Not Completed (NC)	0
RC- Repeat the course	0

- iii. A student obtaining Grade RA shall be considered failed and will be required to reappear in the examination.
- iv. Candidate with NC grading indicates detained from examination may be due to lack of fulfilment of internal marks in the course; while RC indicates that student is not fulfilling the minimum criteria for academic progress and lack of attendance. If the course is a core course, the candidate should repeat the course when it is offered the next time.

a) **CBCS Grading System - Marks equivalence table**

Semester % of marks	Grade point	SGPA/ CGPA	Letter Grade	Result/ Class Description
90.0-100	10	9.00-10.00	O (Outstanding)	Outstanding
80.0-<90.0	9	8.00-<8.99	A+ (Excellent)	First Class Exemplary
75.0-<80.0	8	7.00-< 7.99	A (Very Good)	First Class Distinction
60.0-<75.0	7	6.00-< 6.99	B (Good)	First Class
50.0-<60.0	6	5.0-< 5.99	P (PASS)	Second Class
<50.0	0	<5.0	F (Fail)	Fail/ Reappear
Absent	0	0	Ab (Absent)	-

12.3. RANKING

The first two ranks to every UG/PG programme will be decided on the basis of grades of CGPA in the courses. In case of a tie, marks % [of core and DE courses only] will be taken into account.

12.4. Classification of successful candidates

The results of successful candidates at the end of each semester shall be declared on the basis of percentage of aggregate marks, converted to grade point and alpha-sign grade for each course on the basis of 10 point scale recommended by UGC. Overall Performance in a Program and Ranking of a candidate is in accordance with the University regulations. The following table the final results with grade description and grades

Cumulative Grades and Grade Point Average

Consolidated Grade Card		
Letter grade	Classification	CGPA RANGE
O	Outstanding	9.00-10.00
A+	First Class Exemplary	8.00 - 8.99
A	First Class Distinction	7.00 - 7.99
B	First Class	6.00 - 6.99
P	Second Class	5.0 – 5.99

12.5. A successful candidate

(i) Who secures not less than O grade with a CGPA of 9.0 – 10.0 shall be declared to have secured „**OUTSTANDING**“ provided he/she passes the whole examination in the FIRST ATTEMPT;

(ii) Who secures not less than A+ grade with a CGPA of 8.01 – 8.99 shall be declared to have secured **First Class Exemplary** provided he/she passes the whole examination in the FIRST ATTEMPT;

(iii) Who secures not less than A grade with a CGPA of 7.01 – 7.99 and completes the course within the stipulated course period shall be declared to have passed the examinations with “**First Class Distinction**”

(iv) Who secures not less than B grade with a CGPA of 6.01 – 6.99 and completes the course within the stipulated course period shall be declared to have passed the examinations with “**First Class**”

(V) All other candidates (with grade P and above) shall be declared to have passed the examinations with “**second class**”.

12. Computations of SGPA and CGPA

The UGC recommends the following procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

- i. The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone & earned by a student, i.e.,

$$\text{SGPA (Si)} = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

where C_i is the number of credits of the i th course and G_i is the grade point scored by the student in the i th course.

- ii. The CGPA is also calculated in the same manner taking into account all the courses undergone & earned by a student over all the semesters of a programme, i.e.

$$\text{CGPA} = \frac{\sum(C_i \times S_i)}{\sum C_i}$$

where S_i is the SGPA of the i th semester and C_i is the total number of credits in that semester.

- iii. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

a) Illustration of Computation of SGPA and CGPA and Format for Transcripts

13.1.1. Computation of SGPA

Course	Credit	Grade Letter	Grade Point	Credit Point
				(Credit x Grade)
Course 1	3	A	8	3 X 8 = 24
Course 2	4	B+	7	4 X 7 = 28
Course 3	3	B	6	3 X 6 = 18
Course 4	3	O	10	3 X 10 = 30
Course 5	3	C	5	3 X 5 = 15
Course 6	4	B	6	4 X 6 = 24
	20			139

Illustration for SGPA
Thus, SGPA = 139/20 = 6.95

13.1.2. Computation of CGPA

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6
Credit : 20	Credit : 22	Credit : 25	Credit : 26	Credit : 26	Credit : 25
SGPA : 6.9	SGPA : 6.8	SGPA : 6.6	SGPA : 6.0	SGPA : 6.3	SGPA : 8.0

Illustration for CGPA

Thus,

$$\text{CGPA} = \frac{20 \times 6.9 + 22 \times 6.8 + 25 \times 6.6 + 26 \times 6.0 + 26 \times 6.3 + 25 \times 8.0}{144} = 6.75 \text{ or "B"}$$

- ii. Transcript (Format): Based on the above recommendations on Letter grades, grade points and SGPA and CGPA, the university may issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.

13. MINIMUM CRITERIA FOR A PASS

A candidate shall be declared to have passed the UG and PG if he/she secures at least a CGPA of 5.0 (Course Alpha-Sign Grade P, equal or more than 50% of marks) in the aggregate of both internal assessment and semester end examination marks put together in each unit such as theory papers/ practicals/ project work/ dissertation/ viva-voice, etc

14. POWER TO REMOVE DIFFICULTIES

- i. If any difficulty arises in giving effect to the provisions of these regulations, the Vice Chancellor may by order make such provisions not inconsistent with the Act, Students, Ordinance or other regulations as appears to be necessary or expedient to remove the difficulty.
- ii. Every order made under this rule shall be subjected to ratification by the appropriate university authorities.

POSTGRADUATE

MD / MS

ASSESSMENT

1. Summative

assessment

The summative examination would be carried out as per the Rules given in POSTGRADUATE MEDICAL EDUCATION REGULATIONS, 2000 and amended up to 2018. (The Clause 14 under the heading “EXAMINATION” shall be substituted in terms of Gazette Notification published on 05.04.2018).

The examination will be in three parts:

2. DISSERTATION

Every post graduate student will carry out work on an assigned research project under the guidance of a recognized Post Graduate Teacher, the result of which will be written and submitted in the form of a dissertation. Work for writing the dissertation is aimed at contributing to the development of a spirit of enquiry, besides exposing the candidate to the techniques of research, critical analysis, acquaintance with the latest advances in medical science and the manner of identifying and consulting available literature. Dissertation will be submitted at

least six months before the Theory and Clinical / Practical examination. The dissertation will be examined by a minimum of three examiners; one internal and two external examiners, who will not be the examiners for Theory and Clinical examination. A candidate will be allowed to appear for the Theory and Practical/Clinical examination only after the acceptance of the dissertation by the examiners.

3. THEORY

There will be four question papers, each of three hours duration. Each paper will consist of ten questions each question carrying 10 marks, so the total marks for each paper will be 100. Questions on recent advances maybe asked in any or all the papers. The examinations will be organised on the basis of ‘Grading’ or ‘Marking system’ to evaluate and to certify candidate's level of knowledge, skill and competence at the end of the training. The Clause 14 under the heading “EXAMINATION” shall be substituted in terms of Gazette Notification published on 05.04.2018 and the same is as under:-

Obtaining a minimum of 40% marks in each theory paper and not less than 50%

cumulatively in all the four papers for degree examinations and three papers in diploma examination. Obtaining of 50% marks in Practical examination shall be mandatory for passing the examination as a whole in the said degree/diploma examination as the case may be. Obtaining a minimum of 50% marks in ‘Theory’ as well as ‘Practical’ separately will be mandatory for passing examination as a whole. The examination for MS/MD will be held at the end of 3rd academic year.

- **Clinical / Practical and viva voce Examination**

Clinical examination will be conducted to test the knowledge, skills, attitude and competence of the post graduate students for undertaking independent work as a specialist/Teacher, for which post graduate students will examine a minimum one long case and two short cases.

The Oral examination will be thorough and will aim at assessing the post graduate student’s knowledge and competence about the subject, investigative procedures, therapeutic technique and other aspects of the specialty, which form a part of the examination.

Assessment may include Objective Structured Clinical Examination (OSCE) Oral/Viva-voce examination needs to assess knowledge on X-rays, instrumentation, operative procedures. Due weightage should be given to Log Book Records and day to-day observation during the training.

ALLOTMENT OF MARKS

THEORY	MARKS ALLOTMENT	MAXIMUM MARKS	400
PAPER-I	10 X 10	100	
PAPER-II	10 X 10	100	
PAPER-III	10 X 10	100	
PAPER-IV	10 X 10	100	

<u>CLINICALS/ PRACTICALS</u>		200
<u>VIVA VOCE</u>	<u>80</u>	100
<u>PEDAGOGY</u>	<u>20</u>	
TOTAL		700

MSc

ASSESSMENT

1. DIARY/RECORD BOOK

Every candidate shall attend symposia, seminars, conferences, journal review meetings & lectures during each semester as prescribed by the department and not absent him/her from work without valid reasons. Every candidate shall maintain a work diary and record of his/her participation in the training Program. Special mention may be made of the presentations by the candidate as well as details of laboratory work conducted by the candidate. The work diary and record shall be scrutinized and certified by the concerned faculty members.

- **2. INTERNAL ASSESSMENT (IA)**

Institutions running the course shall conduct two tests each in every semester for Internal Assessment as per the University prescribed calendar of events. The marks obtained in these tests will be considered for internal assessment. Average of the two marks will be computed for internal assessment and shall be sent to the university as per the notification issued by Registrar (Evaluation) before each university examination. Records and marks obtained in tests will be maintained by the college and made available to the university. Marks of periodic tests shall be displayed on the notice board by the principals without fail.

Note: If a candidate is absent for the test due to genuine and satisfactory reason, such a candidate may be given a re-test within a fortnight.

The distribution of marks for internal assessment for subjects of study in first year and second year are shown in Tables III and IV respectively.

4. PROJECT WORK

Each candidate pursuing M.Sc. MLT Course in the selected specialisation is required to carry out dissertation work on a selected topic in the area of specialisation under the guidance of a recognized post graduate teacher after successful completion of first year of the course (1st & 2nd semester).The candidate has to commence the project work during

the third semester and should complete the same in the fourth semester. The completed project should be submitted to University one month prior to the fourth semester University examination through Head of the department duly certified by the Guide.

The project work is aimed to kindle the research instincts among the students. The work should comprise adequate exposure to various research methodologies and techniques. Which includes identification of problem, formulation of hypothesis, search and review of literature, getting acquainted with recent advances, collection of data, interpretation of results and drawing conclusions.

University shall arrange for evaluation of the project work both internally and externally and shall have to obtain 50% of the total marks allotted for the project work including viva voce[80marks for project and 20marks for viva voce]

The University shall arrange for review of synopsis and if found suitable shall register the dissertation topic. No change in the dissertation topic or guide shall be made without prior approval of the University.

The project report shall have the following components.

Introduction, Aims or objectives of study, Review of literature, Materials and methods, Results, Discussion, Conclusion, Summary, References, Tables and Annexure

The written text of project work shall not be less than 50 pages and shall not exceed 100 pages excluding references, tables, questionnaires and other annexure. It should be neatly

typed in double line spacing on one side of paper (A4 size, 8.27" x 11.69") and bound properly. A declaration by the candidate to the effect that the work was done by him/her and a certificate of bonafide on the research work from the have to be affixed in the beginning of the project report. Five copies of project report should be submitted to the University through proper channel along with a soft copy (CD) one month before the final examinations.

ASSESSMENT : There shall be four University semester examinations, two at the end of first year and the other two the end of second year respectively. First Year MSc MLT

Both the main and subsidiary subjects for M.Sc. MLT course shall be common for all the three branches.

Eligibility to appear in university examination

A candidate shall be eligible to appear for first year M.Sc. MLT examination at the end of each semester in the Academic year from the commencement of the course. He/she should have satisfactorily completed the prescribed course fulfilment with prescribed attendance.

Written examination: Written examination shall consist of three theory papers each of three hours duration. Each paper shall carry 100 marks.

Practical examination: There shall be one practical examination at the end of each semester in first year and second year subjects. Each practical examination carries 100 marks.

Viva- voce : - This shall aim at assessing depth of knowledge, logical reasoning, confidence and oral communication skills. Both internal and external examiners shall conduct the viva-voce. Total marks shall be 30. The particulars of subjects for examination and distribution of marks are shown in the Table –V.

Second year M.Sc MLT[3rd & 4th semester]

Examination in II year (3rd & 4th semester) shall be held separately for each branch. A candidate will appear only in the branch chosen by him/her at the time of admission.

Eligibility: To be eligible to appear in the II year examination (3rd & 4th semester) a candidate shall have Completed first year of study (1st & 2nd semester) and passed in all the subjects of I year.

Written examination : Written examination shall consists of two theory papers. Each paper shall be of three hours duration. Each paper shall carry 100 marks.

Practical examination: There shall be one practical examination in each of the branches . The marks for each practical examination shall be 40 marks.

The duration of practicals from 9.00 a.m. to 5.00 p.m. with a lunch break of one hour in between for each of the branches is as follows:

M.Sc. Practical - 2 days

(Viva- voce : This shall aim at assessing depth of knowledge, logical reasoning, confidence & oral communication skills. Total marks shall be 30. Presentation of dissertation and discussion on it be done during the viva-voce . No marks shall be awarded to the presentation of dissertation. Both internal and external examiners shall conduct the practical and viva- voce examination. The particulars of subjects for examination and distribution of marks are shown in the Table. III (b) & (e), IV (b) &(e)

MPH

ASSESSMENT

In first, and second semester has 80 Marks theory, 20 Marks theory internal assessment (IA), except in second semester Biostatistics – II will have 40 Marks Practical and 10 Marks Practical IA respectively. In the third & fourth semester candidate has to prepare dissertation based on his/her research work carried out on the university approved topic dually cleared by Institutional ethical committee (IEC). The topic has to be given to the student once he/she enters into third semester on successful completion of first year. In third semester, candidate in Third, and Fourth semester has 80 Marks theory, 20 Marks theory internal assessment (IA). Before appearing fourth semester examination candidate should submit his thesis work for approval. Once thesis get acceptance candidate will be allowed to appear for fourth semester university examination

1. DISSERTATION AND EVALUATION:

Dissertation evaluation will be done by two examiners one external and internal examiner. On receipt of the evaluation report from the external examiner regarding the acceptance of dissertation an open viva- voce examination will be conducted by the head of the department and the guide. The Dean/Head of the Department will be the Chairman of the MPH Programme.

2. CRITERIA FOR PASS

For declaration of pass in any subject in the University examination the candidates shall pass both in theory and practical/clinical examinations components separately as stipulated below;

The theory components consist of marks obtained in University written paper (s), and theory internal assessment. For a pass in theory, a candidate shall secure 50% marks obtained in theory written examination and in theory internal assessment.

Deviation of marks: paper should be evaluated by two examiners. Deviation of marks by more than 15% should be intended for third evaluation. I.e. deviation of marks more than 6 marks for 40 marks question paper.

In the practical component, for a pass in practical/clinical examination, a candidate shall

secure 50% marks obtained in the university practical/clinical examination and in practical assessment.

A candidate not securing 50% marks in theory (written paper & internal assessment) and 50% marks in practical (Experiment & internal assessment) /clinical examination in a subject shall be declared to have failed in that subject and is required to appear for both theory and practical/clinical again in the subsequent examination in that subject.

3. CARRYOVER / ELIGIBILITY FOR PROMOTION TO THE NEXT SEMESTERS

A Candidate who has admitted to postgraduate programs under the faculty of Allied health and basic sciences shall be permitted to carry over the backlog subject till the completion of duration of the programme.

However she/ he shall be declared passed in the programme only after successfully passing all the subject/ courses of all semesters of the post graduate programme

4. Maximum Duration For Completion of Course

The maximum duration of the programme shall be four years from the date of admission
The candidate failing to complete the course within four years from the date of admission will be declared unfit to continue and will be discharged from the programme.

5. DECLARATION OF CLASS

- a) A candidate having appeared in all the subjects in the same examination and passes that examination in the first attempt and secures 75% of marks or more of grand total marks prescribed will be declared to have passed in the examination with Distinction.
- b)
- c) A candidate having appeared in all the subjects in the same examination and passes that examination in the first attempt and secures 60% of marks or more but less than 65% of grand total marks prescribed will be declared to have passed in the examination in Second class.
- d) A candidate having appeared in all the subjects in the same examination and passes that examination in the first attempt and secures 50% of marks or more but less than 75% of grand total marks prescribed will be declared to have passed in the examination in First class.
- e) A candidate passing the university examination in more than one attempt shall be placed in pass class irrespective of the percentage of marks secured by him/her in the examination.

Note: Fraction of marks should not be rounded off for clauses (a), (b) and (c)

6. INTERNAL ASSESSMENT

1. Regular periodic examinations should be conducted throughout the course. The number of examinations can be decided by the department of Public Health.
2. There should be minimum of at least three internal assessment examinations during each semester of the course and average of best two examination marks should be taken into consideration while calculating the marks for internal assessment.
3. Day to day records should be given importance in the internal assessment. The weight age given to the internal assessment is 20% out of the total marks assigned for a subject.
4. Student must secure at least 35% of total marks fixed for internal assessment in a particular subject in order to be eligible to appear in the university examination of that subject.

Theory

Minimum of three internal assessments is recommended during each semester, each student must secure at least 35% in theory as internal assessment from total 20 marks. At the end of each semester, there will be one university examination on each paper for 100 marks.

Practicals

Minimum of three internal assessments are recommended. From the total 15 marks of internal assessment 5 marks would be for Practical Records and marks for internal assessment examinations and 5 marks for field visits. Average marks of the best two examinations shall be reduced to 65 marks and added to the marks obtained for records and sum of the two shall be sent to the University.

The internal assessment marks both theory and practical obtained by the candidates should be sent to the university at 1

Fellowship

ASSESSMENT

All trainees will be required to maintain a log book of cases worked up, assisted, performed, planned RT, administered Chemotherapy and palliative care cases attended to. Also the activity records in terms of the compulsory academic activities have to be maintained.

5. **Evaluations:**

There will be formative evaluation at end of each semester. 2 internal examiners will carry out these assessments.

Semester evaluations

This will comprise of

- a) Log book evaluation
- b) Theoretical examination(100 marks)
 - Short essay questions (70 marks)
 - MCQs (30 marks)
- c) Objective structured clinical examinations (25 stations) (50 marks)
- d) Clinical case discussion 50 marks
2 cases (25 marks each)

6. **Summative evaluation:**

This will be conducted at the end of the fellowship (2 years),It will be conducted by Sri Devaraj Urs University and will have two faculty members (Internal examiners) and two external examiners from institutions having academic head and neck surgery units.

The exam will comprise of

- (a) Theory examinations having two papers of 3 hour duration (100marks each)

(b) Clinical examination 150 marks

1	Long case (45 minutes duration)	50 marks each
2	Short cases (10 minutes each)	25 marks each
	Viva voce (includes OSCE)	25 marks
	Cadaver Dissection	25 marks

PhD

ASSESSMENT

1. The scheme for Pre-Ph.D. examination has two written papers, paper 1 on Research methodology, paper 2 on subject specific (each paper of three hours duration with maximum of 100 marks).
 - Paper-1 covers quantitative methods, computer applications, Research ethics, review of published research in the relevant field, training and field work.
 - Paper-2 subject specific/ area of specialization/specialization background of the Ph.D. topic Each scholar subject specific syllabus in the area of specialization with recent developments shall be prescribed by the Research supervisor of SDUAHER and should be submitted a month before the examination.
2. The Board of Examiners for the Pre Ph.D. Examination consists of
 - Supervisor/Internal Examiner
 - One external examiner
3. The Syllabus for the two theory papers of Pre-Ph.D. examination will be submitted to Controller of Examination.
4. In case the candidate is not successful in the Pre Ph.D. Examination in the first attempt he/she may be given one more chance to appear for the failed subject in the examination by paying requisite Examination fee of Rs.1000/-(one thousand) per paper within six weeks of announcement of Pre-Ph.D. results.If the candidate is not successful in the Pre Ph.D. examination, even in the second chance/attempt, his/her provisional registration shall stands cancelled. Provisional registration of the candidates will be confirmed only after they pass the Pre Ph.D. examination.
5. Ph.D. scholar has to obtain a minimum of 55% of marks or its equivalent grade **B** intheUGC7-point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the Course work in order to be eligible to continue in the programme and submit the thesis.

a) PERMANENT REGISTRATION

Every candidate provisionally registered for the Ph.D. should

- 1) Submit original PG degree certificate and marks cards to justify 55% in PG degree as eligibility criteria.

- 2) Certificate to claim relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, by those belonging to SC/ST/OBC (non-creamy layer)/Differently-abled candidates, original documents in support of those obtained their Master's degree prior to 19th September, 1991.
- 3) Original marks card of Pre Ph.D. completion.
- 4) Ethical Clearance certificate.
- 5) Receipt of the tuition fee paid.

Such provisionally registered candidates are allowed by the Research Advisory Committee for permanent registration after one year.

6) SUBMISSION OF HALF YEARLY PROGRESS REPORTS

a) Every candidate shall submit duly signed hard copy of the half yearly progress report periodically in the prescribed format with suggestions through the Supervisor and Co-Supervisor to the Registrar of the Academy with a copy to the head of the department concerned and the Head of the Institution for assessment by the subject experts of the Research Advisory committee and their suggestions.

Their suggestions will be communicated to the concerned candidate and Supervisor.

b) Every half yearly progress report shall be submitted for the period from the commencement of the Programme from August to the end of January (by 10th of February). However, the 2nd report from February to end of July (by 10th of August) Along with the log books

c) All the Ph.D. students should maintain a Logbook, duly signed by the Supervisor and Head of the department/Institution and this should be made available at the time of inspection and examination.

d) The Research proposal of the Ph.D. topic submitted by the candidates should have been cleared by the appropriately constituted Ethics Committee of the Academy (Respectively for Experiments on human subjects and / or animals) before commencement of Research work.

6. A research scholar shall appear before the Research Advisory Committee once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The progress/status of half yearly reports shall

be submitted by the Research Advisory Committee to the Institution/College with a copy to the research scholar.

Note: The proceedings of the Doctoral Advisory Committee/ Research Advisory Committee shall be circulated to all the members and Ph.D. scholars participated in presentation of their research work progress.

7. In case the progress of the research scholar is unsatisfactory, the Research Advisory committee shall record the reasons for the same and suggest corrective measures measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Institution/College with specific reasons for cancellation of the registration of the research scholar.

Note: If three consecutive half yearly progress reports are not satisfactory, Research Advisory Committee may recommend to the Academy for Cancellation of the registration.

8. CHANGE OF TITLE OF RESEARCH

8.41 Ph.D. candidate can partially modify the title of his/her proposed Research proposal /thesis research work under extra ordinary circumstances on prior permission from the Ph.D. Research Advisory Committee and approved by Vice-Chancellor.

9.0 EVALUATION AND ASSESSMENT METHODS, MINIMUM STANDARDS / CREDITS FOR AWARD OF THE DEGREE

9.1 Upon satisfactory completion of Course work, **pre Ph.D. examination**, and obtaining the marks/grade prescribed in sub clause 7.9 above, **Ethical clearance**, as the case may be, Ph.D. scholar shall be required to undertake research work.

Provisional registration converts to permanent registration at the end of one year.

9.2 Prior to the submission of the **final synopsis** and also thesis, the scholar shall make a presentation in the Department before Research Advisory Committee of the Institution concerned which shall also be open to all the faculty members and other research scholars. The feedback and comments/suggestions obtained from them may be suitably incorporated into the final synopsis / thesis in consultation with the Research Advisory Committee.

9.21 **Submission of Final Synopsis:** Ph.D. scholar shall submit, duly signed six hard

copies, one CD format of the final synopsis of the research work, Panel of external examiners to the Controller of Examinations through Ph.D. Centre. Enclose “No due certificates” from the Head of the Institution where he/she has worked, from the Academy Library and from the Finance Officer of the SDUAHER.

9.3 Ph.D. scholars must publish at least one research paper in Refereed journals (**Scopus/PubMed/ web of science /UGC Listed Journals**) and make two paper presentations in conferences/seminars before the submission of the thesis for adjudication and produce evidence for the same in the form of presentation certificates and/or reprints.

9.4 The Academic Council (or its equivalent body) of the Institution shall evolve a mechanism using well developed software and gadgets to detect plagiarism and other forms of academic dishonesty

while submitting for evaluation, the thesis shall have an undertaking from the research scholar and certificate from the research supervisor attesting to the originality of the work, vouching that there is no plagiarism, and that the work has not been submitted for the award of any other degree / diploma of the same institution where the work was carried out or to any other institution.

9.41 Promotion of Academic integrity and prevention of plagiarism in Higher Education Institutions regulations 2018 dated 23rd July, 2018 shall be applied to the Ph.D. thesis before submission.

9.42 Penalties in case of plagiarism in submission of thesis and dissertations
Institutional Academic Integrity Panel (IAIP) shall impose penalty considering the severity of the Plagiarism.

- 1) **Level 0:** Similarities up to 10% - Minor Similarities, no penalty.
- 2) **Level 1:** Similarities above 10% to 40% - Such student shall be asked to submit a revised script within a stipulated time period not exceeding 6 months.
- 3) **Level 2:** Similarities above 40% to 60% - Such student shall be debarred from submitting a revised script for a period of one year.
- 4) **Level 3:** Similarities above 60% -Such student registration for that programme shall be cancelled.

Note 1: Penalty on repeated plagiarism- Such student shall be punished for the plagiarism of one level higher than the previous level committed by him/her. In case where plagiarism of highest level is committed then the punishment for the same shall be

operative.

Note 2: Penalty in case where the degree/credit has already been obtained - If plagiarism is proved on a date later than the date of award of degree or credit as the case may be then his/her degree or credit shall be put in abeyance for a period recommended by the Institutional Academic Integrity Panel and approved by the Head of the Institution.

9.43 Penalties in case of plagiarism in academic and research publications

- 1) **Level 0:** Similarities up to 10% Minor similarities, no penalty.
- 2) **Level 1:** Similarities above 10% to 40% Shall be asked to withdraw manuscript.
- 3) **Level 2:** Similarities above 40% to 60%
 - Shall be asked to withdraw manuscript.
 - Shall be denied a right to one annual increment.
 - Shall not be allowed to be a supervisor to any new Master's, M.Phil., Ph.D. Student/scholar for a period of two years.
- 4) **Level 3:** Similarities above 60%
 - Shall be asked to withdraw manuscript.
 - Shall be denied a right to two successive annual increments.
 - Shall not be allowed to be a supervisor to any new Master's, M.Phil., Ph.D. Student/scholar for a period of three years.

9.5 Ph.D. thesis adjudication:

9.51 The Ph.D. thesis submitted by a research scholar shall be evaluated by his/her Research Supervisor and at least two external examiners, who are not in employment of the Institution/College, of whom one examiner may be from outside the country/**state**.

9.52 The viva-voce examination, based among other things, on the critiques given in the evaluation report, shall be conducted by the Research Supervisor and at least one of the two external examiners, and shall be open to be attended by Members of the Research Advisory Committee, all faculty members of the Department, other research scholars and other interested experts/researchers.

Note: any critiques on thesis shall made available to the candidates in advance

9.6 Public defense Viva voce examination:

9.61 The public viva-voce of the research scholar to defend the thesis shall be conducted only if the evaluation report(s) of the external examiner(s) on the thesis is/are satisfactory and include a specific recommendation for conducting the viva-voce examination.

9.62 If the evaluation report of the external examiner of the Ph.D. thesis is unsatisfactory and does not recommend viva-voce, the Institution shall send the thesis to another external examiner out of the approved panel of examiners and the viva-voce examination shall be held only if the report of the latest examiner is satisfactory.

If the report of the latest examiner is also unsatisfactory, the thesis shall be rejected and the research scholar shall be declared ineligible for the award of the degree.

9.7 The Institutions shall develop appropriate methods so as to complete the entire process of evaluation of Ph.D. thesis within a period of six months from the date of submission of the thesis.

Note: One Academy representative as observer shall submit a report on proceedings of Viva-Voce examination to the Registrar /controller of Examination

10.0 TREATMENT OF Ph.D. THROUGH DISTANCE MODE

10.10 Notwithstanding anything contained in these Regulations or any other Rule or Regulation, for the time being in force, no University; Institution, Deemed to be a University and College shall conduct Ph.D. Programmes through distance education mode.

10.20 Part-time Ph.D. will be allowed provided all the conditions mentioned in the extant Ph.D. Regulations are met. The academy offers Ph.D. Part time as internal and external mode.

10.21 CONVERSION OF FULL-TIME Ph.D. PROGRAMME TO PART TIME

Ph.D. scholar pursuing under full-time scheme may (with the approval of the Vice Chancellor), convert to part-time scheme provided he/she has completed 2 years in the full-time scheme and has published a minimum of one paper. In such a case of conversion, the minimum duration of the total Ph.D. programme shall be 4 years.

1.0. DEGREES AWARDED BY FOREIGN UNIVERSITIES:

11.10 If the M.Phil./Ph.D. degree is awarded by a Foreign University, the Indian Institution considering such a degree shall refer the issue to a Standing Committee constituted by the concerned institution for the purpose of determining the equivalence of

the degree awarded by the foreign University.

12.0 RESULTS

12.10 The candidate shall be declared for the award of the degree of Doctor of Philosophy only on the unanimous recommendations of the members of the board of examiners after the viva voce examination.

13.0 DESPOSITORY WITH INFLIBNET

Following the successful completion of the evaluation process and before announcements of the award of the Ph.D. degree(s), the institution concerned shall submit an electronic copy of the Ph.D. thesis to the INFLIBNET for hosting the same so as to make it accessible to all institutions/colleges.

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Controller of Examinations
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